## **EAST Search History**

| Ref# | Hits | Search Query  | DBs                              | Default<br>Operator | Plurals | Time Stamp          |
|------|------|---|----------------------------------|---------------------|---------|---------------------|
| S1   | 1    | "20050021163"   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | ON      | 2008/06/05<br>13:22 |
| S2   | 1    | ("20070050172").PN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/06/05<br>14:23 |
| S3   | 3105 | (702/81,84,150,155,158,167,168,196).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/06/05<br>14:56 |
| S4   | 739  | (356/601).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/06/05<br>14:56 |
| S5   | 231  | (700/279).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/06/05<br>14:56 |
| S6   | 331  | (382/152).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/06/05<br>14:57 |
| S7   | 7    | (("5991703") or ("5638301") or ("5546328") or<br>("5481483") or ("5442572") or ("5384717") or<br>("5319567")).PN. | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/06/05<br>14:57 |

| S8  | 47   | ((free-form\$1 with surface\$1) same (compar\$3 classif<br>\$4 categoriz\$3 cluster\$3))   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/05<br>18:19 |
|-----|------|--|----------------------------------|----|-----|---------------------|
| S9  | 6    | ((free-form\$1 with surface\$1) same (compar\$3 classif<br>\$4 categoriz\$3 cluster\$3) ) and (extract\$3 with surfac<br>\$3)                              | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/05<br>18:19 |
| S10 | 13   | ((free-form\$1 with surface\$1) same (compar\$3 classif<br>\$4 categoriz\$3 cluster\$3) ) and ((extract\$3 characteri<br>\$4) with surfac\$3)              | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/05<br>18:19 |
| S11 | 14   | ((free-form\$1 with surface\$1) same (compar\$3 classif<br>\$4 categoriz\$3 cluster\$3) ) and ((extract\$3 characteri<br>\$4 partition\$3) with surfac\$3) | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/05<br>18:20 |
| S12 | 2513 | (356/394,601,614).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/06/05<br>18:20 |
| S13 | 0    | S11 and S12  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/05<br>18:21 |
| S14 | 1    | S8 and S12   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/05<br>18:21 |
| S15 | 1    | ("4977526").PN. OR ("6665080").URPN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/05<br>18:21 |

| S16 | 1    | "20050021163"   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/05<br>18:21 |
|-----|------|---|----------------------------------|----|-----|---------------------|
| S17 | 1    | ("20070050172").PN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/06/05<br>18:21 |
| S18 | 3105 | (702/81,84,150,155,158,167,168,196).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/06/05<br>18:21 |
| S19 | 739  | (356/601).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/06/05<br>18:21 |
| S20 | 231  | (700/279).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/06/05<br>18:21 |
| S21 | 331  | (382/152).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/06/05<br>18:21 |
| S22 | 4    | S8 and (S16 S17 S18 S19 S20 S21)  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/05<br>18:21 |
| S23 | 8    | ("4953094"   "5119309"   "5265197"   "5627949"  <br>"5856828").PN. OR ("5991703").URPN. | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/05<br>18:22 |

| S24 | 1     | S8 and (S16 S17 S18 S19 S20 S21) and (localiz\$4 with fine\$1)   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:23 |
|-----|-------|--|----------------------------------|----|----|---------------------|
| S25 | 2     | S11 and (S16 S17 S18 S19 S20 S21)  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:25 |
| S26 | 10    | ((free-form\$1 with surface\$1) same (compar\$3 classif<br>\$4 categoriz\$3 cluster\$3) ) and ((extract\$3 characteri<br>\$4 partition\$3) with surfac\$3) and (((first and second)<br>(multiple plural\$3)) with (surface\$1 region\$3))  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:26 |
| S27 | 1     | ((free-form\$1 with surface\$1) same (compar\$3 classif \$4 categoriz\$3 cluster\$3) ) and ((extract\$3 characteri \$4 partition\$3) with surfac\$3) and (((first and second) (multiple plural\$3)) with (surface\$1 region\$3)) and ((determin\$3 detect\$3 obtain\$3) with (pair\$1 with (point\$3 coordinat\$3))) | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:27 |
| S28 | 1     | S27 and (S16 S17 S18 S19 S20 S21)  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:29 |
| S29 | 82525 | ((surfac\$3 region\$3) with (match\$3 compar\$3 classif<br>\$3 different\$3) ) and (co\$1rdinat\$3) and ((first second<br>multiple\$3 plural\$3) with (surfac\$3 region\$3))   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:31 |
| S30 | 12784 | ((surfac\$3 region\$3) with (match\$3 compar\$3 classif<br>\$3 different\$3)) and (co\$1rdinat\$3) and ((first second<br>multiple\$3 plural\$3) with (surfac\$3 region\$3)) and<br>(correspond\$3 with region\$3)  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:32 |

| S31 | 219 | 3( (  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:33 |
|-----|-----|---|----------------------------------|----|----|---------------------|
| S32 | 2   | N( - 1 ) 1 / - 1    | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:34 |
| S33 | 0   | \$\(\frac{1}{2} = \frac{1}{2} = | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:41 |
| S34 | 23  | ("20020143419"   "4797842"   "4994989"   "5107444"   "5142617"   "5179638"   "5218534"   "5448687"   "5511153"   "5553206"   "5900880"   "5929860"   "6028608"   "6081273"   "6226007"   "6285372"   "6356263"   "6362820"   "6674433"   "6738062"   "6831638"   "6943790").PN. OR ("7129942").URPN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:42 |
| S35 | 521 | \$(\frac{1}{2} - \frac{1}{2} -  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:42 |
| S36 | 12  | \$3 different\$3) ) and (co\$1rdinat\$3) and ((first second multiple\$3 plural\$3) with (surfac\$3 region\$3)) and  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:43 |

| S37 | 0   | \$3 different\$3) ) and (co\$1rdinat\$3) and ((first second  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:44 |
|-----|-----|--|----------------------------------|----|----|---------------------|
| S38 | 5   | \$3 different\$3) ) and (co\$1rdinat\$3) and ((first second multiple\$3 plural\$3) with (surfac\$3 region\$3)) and       | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:47 |
| S41 | 13  | \$4 categoriz\$3 cluster\$3) ) and ((extract\$3 characteri   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:48 |
| S42 | 6   | \$4 categoriz\$3 cluster\$3) ) and ((extract\$3 characteri<br>\$4) with surfac\$3) and (match\$3 with ( region\$1 surfac | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:49 |
| S43 | 1   | 311  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:49 |
| S44 | 9   | 3((,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:51 |
| S45 | 10  | \$4 categoriz\$3 cluster\$3) ) and ((match\$3 partition\$3) with ( region\$1 surfac\$3))                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:51 |
| S46 | 585 | \$3 different\$3) ) and (co\$1rdinat\$3) and ((first second multiple\$3 plural\$3) with (surfac\$3 region\$3)) and       | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/06/05<br>18:52 |

| S47 | 0    | ((free-form\$1 with surface\$1) same (compar\$3 classif<br>\$4 categoriz\$3 cluster\$3) ) and ((match\$3 partition\$3)<br>with (region\$1 surfac\$3)) and (determin\$3 with<br>(correspond\$3 with (co\$1rdinat\$3 point\$1) with pair<br>\$1))   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/05<br>18:52 |
|-----|------|---|----------------------------------|----|-----|---------------------|
| S48 | 0    | ((free-form\$1 with surface\$1) same (compar\$3 classif<br>\$4 categoriz\$3 cluster\$3) ) and ((match\$3 partition\$3)<br>with (region\$1 surfac\$3)) and (determin\$3 with<br>(correspond\$3 with (co\$1rdinat\$3 point\$1) with pair<br>\$1))   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/05<br>18:54 |
| S49 | 1    | [((free-form\$1 with surface\$1) same (compar\$3 classif \$4 categoriz\$3 cluster\$3) ) and ((extract\$3 characteri \$4 partition\$3) with surfac\$3) and (((first and second) (multiple plural\$3)) with (surface\$1 region\$3)) and ((determin\$3 detect\$3 obtain\$3) with (pair\$1 with (point\$3 coordinat\$3)))   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/05<br>18:54 |
| S50 | 1    | ((((free-form\$1 with surface\$1) same (compar\$3 classif<br>\$4 categoriz\$3 cluster\$3) ) and ((extract\$3 characteri<br>\$4 partition\$3) with surfac\$3) and (((first and second)<br>(multiple plural\$3)) with (surface\$1 region\$3)) and<br>((determin\$3 detect\$3 obtain\$3) with (pair\$1 with<br>(point\$3 coordinat\$3))) and (fine\$1 with localiz\$4)).<br>clm. | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/06<br>11:49 |
| S51 | 231  | (700/279).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/06/06<br>12:00 |
| S52 | 3105 | (702/81,84,150,155,158,167,168,196).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/06/06<br>12:12 |

| S53 | 331  | (382/152).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/06/06<br>12:12 |
|-----|------|---|----------------------------------|----|-----|---------------------|
| S54 | 2513 | (356/394,601,614).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/06/06<br>12:12 |
| S55 | 0    | (surfac\$3 with (align\$4 alignment\$1 compar\$3 match \$3 classify\$3)) and (free\$1 form with surfac\$3) and (design\$3 with manufactur\$3) and (threshold\$3 with (compar\$4 match\$3)) and (coordinat\$3 with (point\$1 pair\$1)) and (design\$3 with conform\$4) and (partition \$3 with extract\$3) and (correspond\$3 with pair\$1)        | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/06<br>12:14 |
| S56 | Ō    | ((surfac\$3 with (align\$4 alignment\$1 compar\$3 match \$3 classify\$3)) and (free\$1form with surfac\$3) and (design\$3 with manufactur\$3) and (threshold\$3 with (compar\$4 match\$3)) and (coordinat\$3 with (point\$1 pair\$1)) and (design\$3 with conform\$4) and (partition \$3 with extract\$3) and (correspond\$3 with pair\$1)). clm. | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/06<br>13:35 |
| S57 | 0    | S56 and (S51 S52 S53 S54 )  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/06/06<br>13:35 |

## 6/6/2008 3:08:28 PM

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